

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012815\
 Data File : BE089406.D
 Acq On : 29 Jan 2015 2:23
 Operator : TP/IZ
 Sample : G1110-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-10

Quant Time: Jan 29 05:33:21 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 04:21:19 2015
 Response via : Initial Calibration

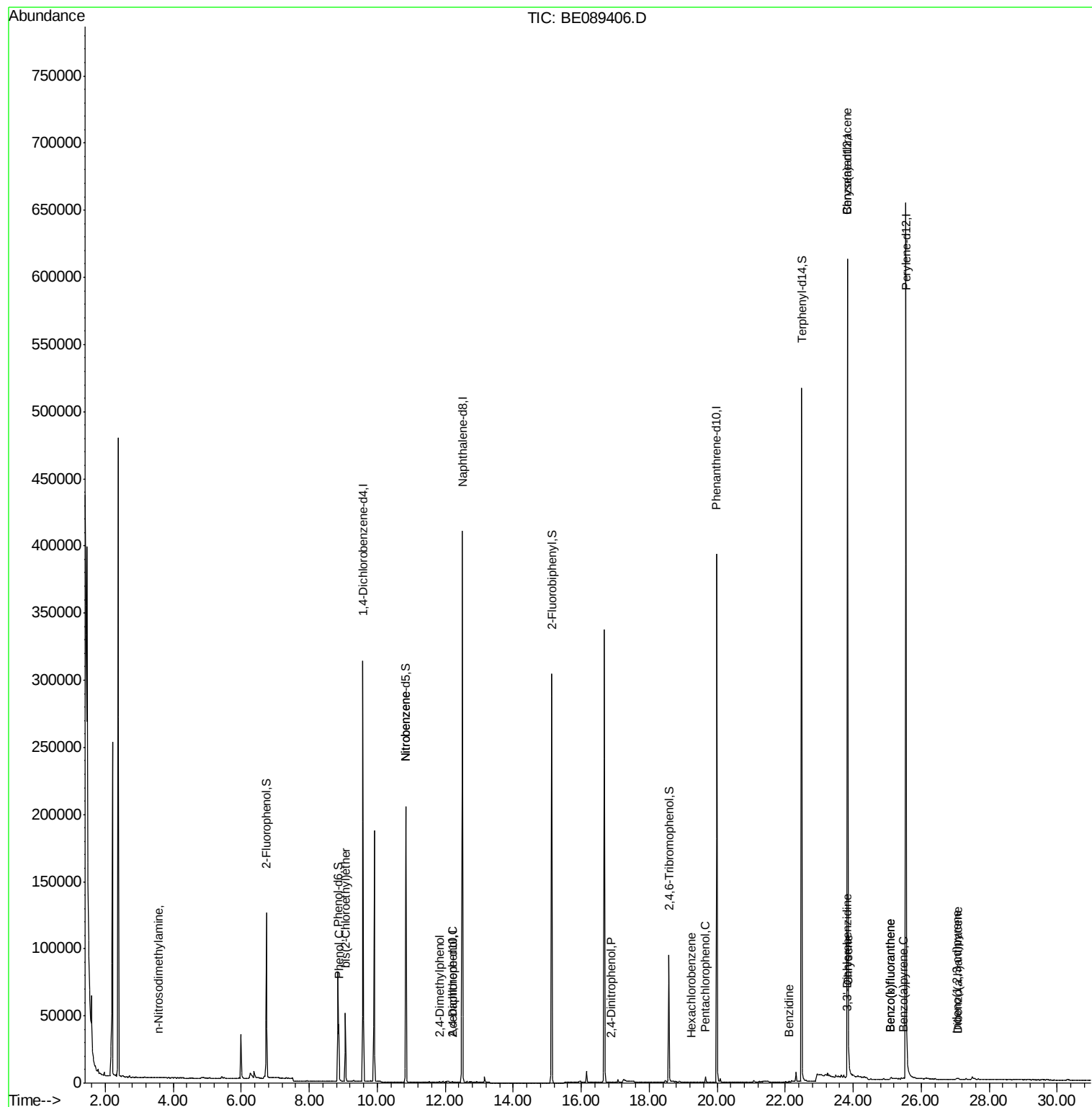
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	131483	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	453844	5.00	ng	0.00
13) Acenaphthene-d10	12.21	164	23	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	395208	5.00	ng	0.00
20) Chrysene-d12	23.84	240	515447	5.00	ng	0.00
27) Perylene-d12	25.55	264	608895	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	84348	2.05	ng	0.00
4) Phenol-d6	8.85	99	69500	1.37	ng	0.00
8) Nitrobenzene-d5	10.84	82	144736	4.53	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	50292	2593.36	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	265447	1092.10	ng	0.00
22) Terphenyl-d14	22.48	244	417426	7.31	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.56	42	15	0.00	ng	# 1
5) Phenol	8.88	94	22482	0.42	ng	# 43
6) bis(2-Chloroethyl)ether	9.07	93	230	0.01	ng	# 1
9) Nitrobenzene	10.85	77	690	0.02	ng	# 35
10) 2,4-Dimethylphenol	11.82	122	87	0.00	ng	# 85
11) 2,4-Dichlorophenol	12.22	162	37	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.87	184	22	18.37	ng	# 1
18) Hexachlorobenzene	19.24	284	63	0.00	ng	# 1
19) Pentachlorophenol	19.66	266	60	0.02	ng	# 72
21) Benzidine	22.11	184	37	0.00	ng	# 1
23) Benzo(a)anthracene	23.83	228	12395	0.03	ng	# 81
24) 3,3'-Dichlorobenzidine	23.81	252	1888	0.05	ng	# 87
25) Chrysene	23.87	228	7634	0.01	ng	# 73
26) Indeno(1,2,3-cd)pyrene	27.06	276	2472	0.02	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	3824	0.05	ng	# 32
29) Benzo(k)fluoranthene	25.10	252	3824	0.02	ng	# 32
30) Benzo(a)pyrene	25.48	252	1753	0.02	ng	# 26
31) Dibenzo(a,h)anthracene	27.08	278	861	0.01	ng	# 8

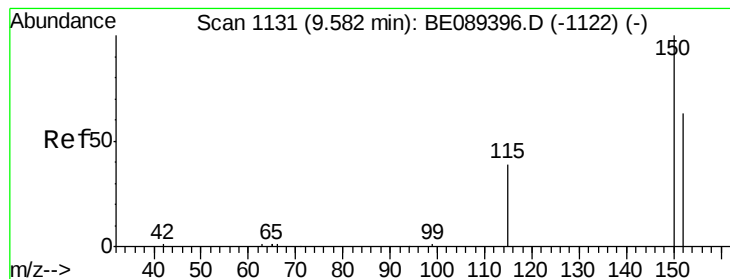
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012815\
Data File : BE089406.D
Acq On : 29 Jan 2015 2:23
Operator : TP/IZ
Sample : G1110-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW-10

Quant Time: Jan 29 05:33:21 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 29 04:21:19 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

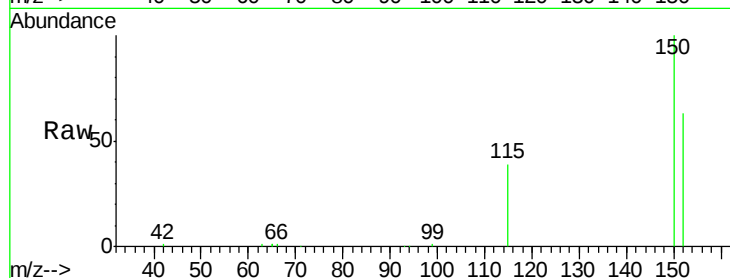
Tgt Ion:152 Resp: 131483

Ion Ratio Lower Upper

152 100

150 157.8 127.2 190.8

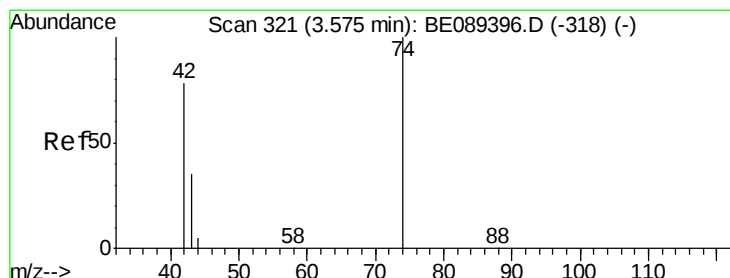
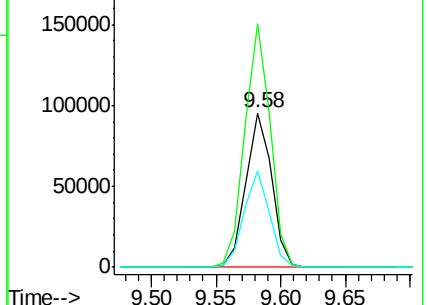
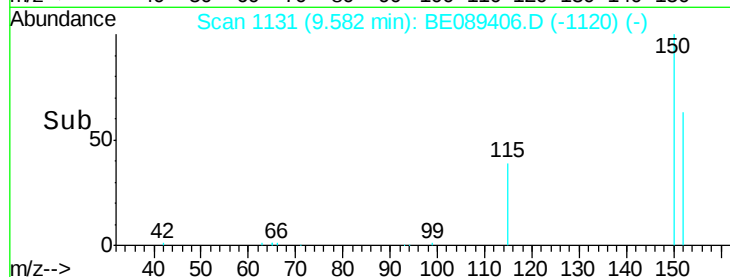
115 62.1 49.3 73.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 3.56 min Scan# 319

Delta R.T. -0.01 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

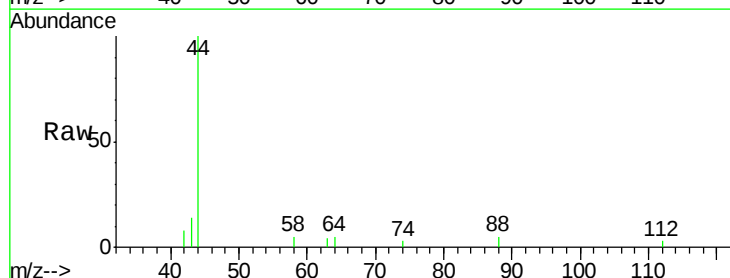
Tgt Ion: 42 Resp: 15

Ion Ratio Lower Upper

42 100

74 33.5 101.2 151.8#

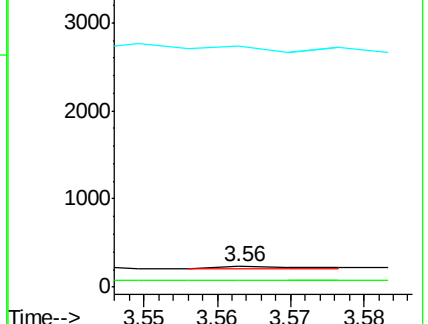
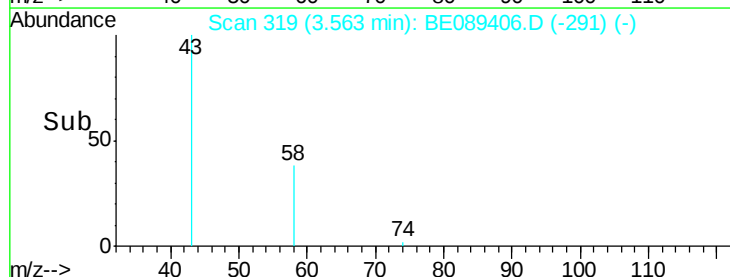
44 1187.4 26.4 39.6#

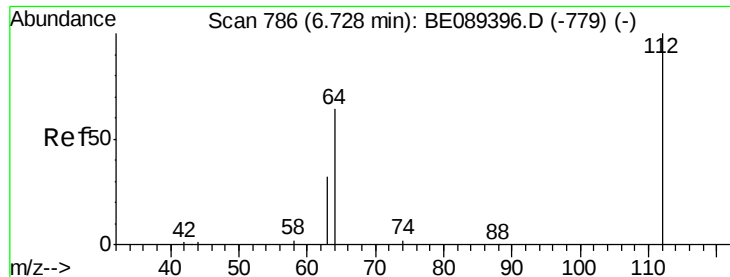


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 2.05 ng

RT: 6.74 min Scan# 787

Delta R.T. 0.01 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

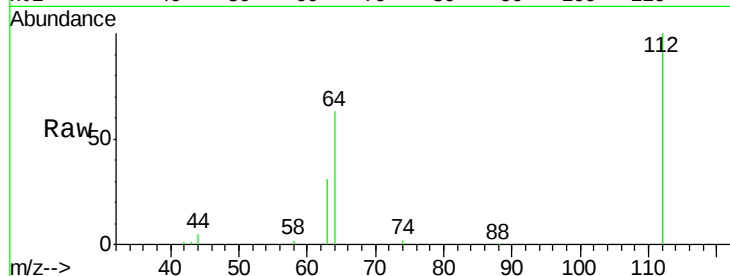
Tgt Ion: 112 Resp: 84348

Ion Ratio Lower Upper

112 100

64 62.6 51.7 77.5

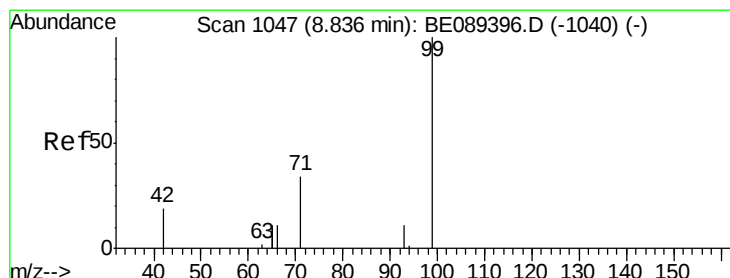
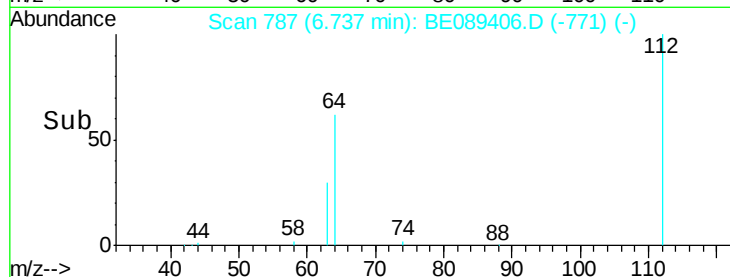
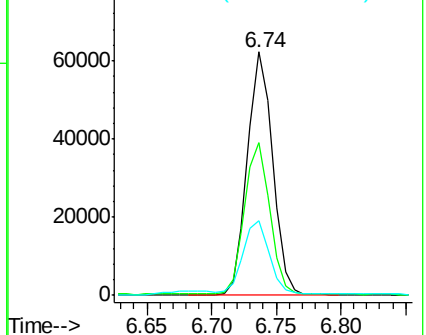
63 30.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 1.37 ng

RT: 8.85 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

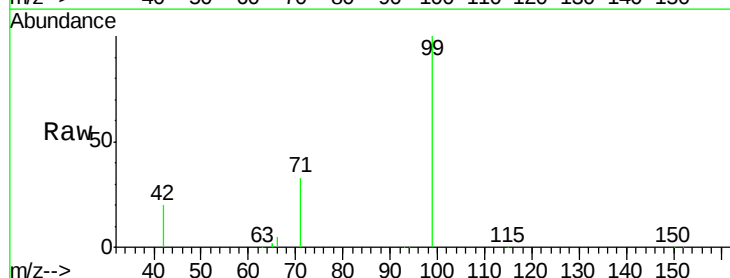
Tgt Ion: 99 Resp: 69500

Ion Ratio Lower Upper

99 100

42 19.8 15.3 22.9

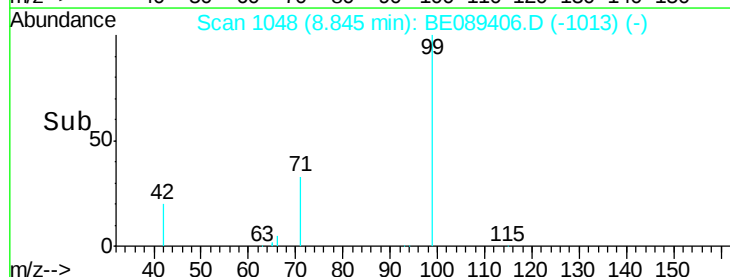
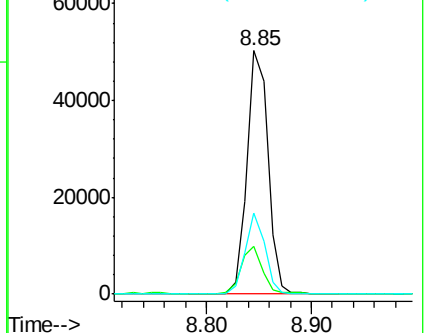
71 33.5 27.0 40.6

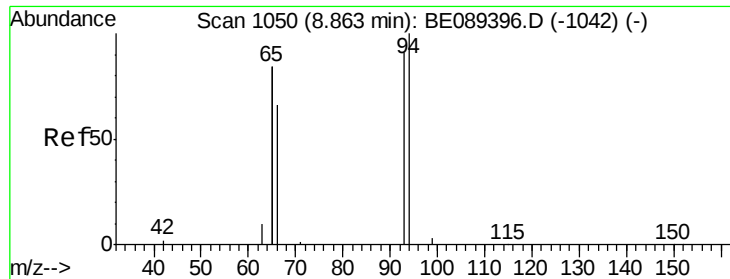


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.42 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.02 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

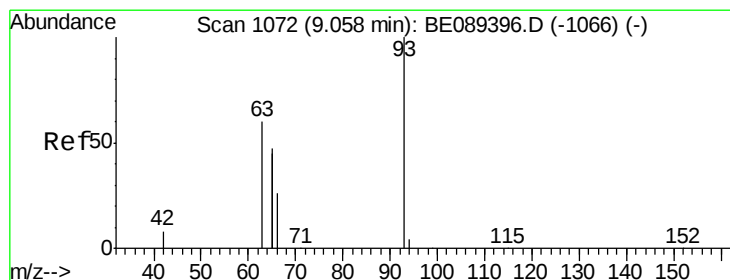
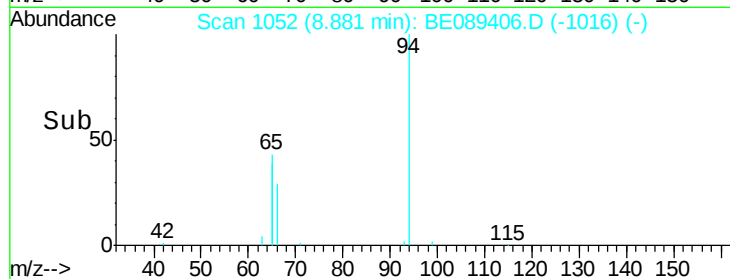
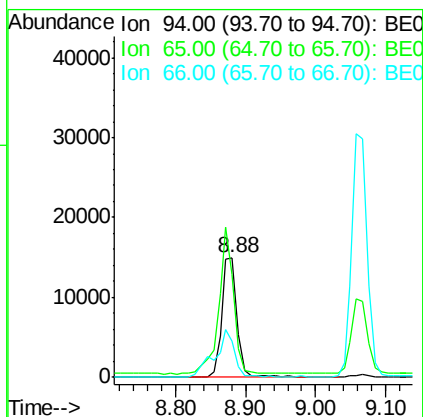
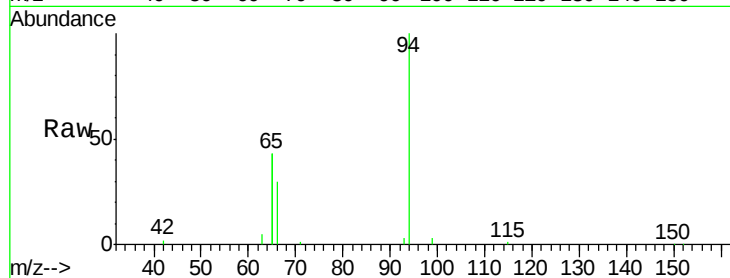
Tgt Ion: 94 Resp: 22482

Ion Ratio Lower Upper

94 100

65 85.6 148.6 188.6#

66 29.8 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.07 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

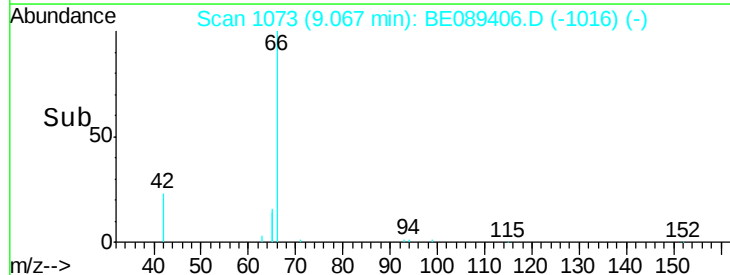
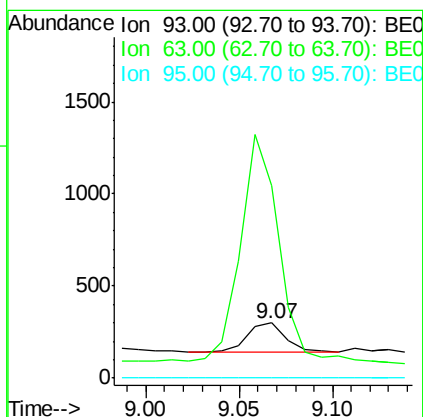
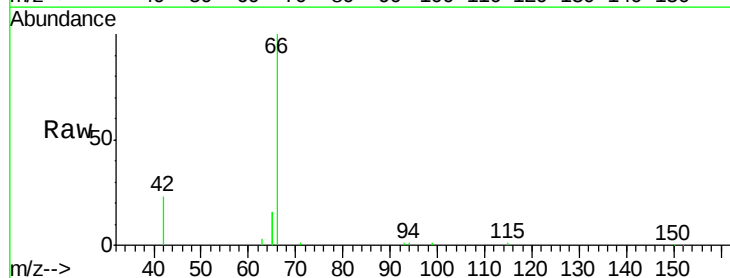
Tgt Ion: 93 Resp: 230

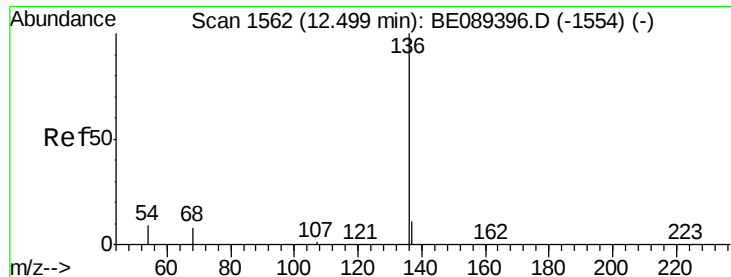
Ion Ratio Lower Upper

93 100

63 793.0 58.9 88.3#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampled :

MW-10

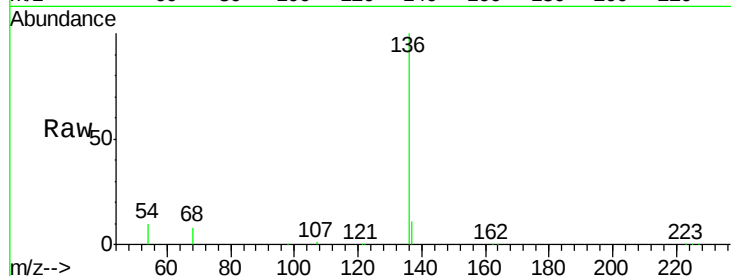
Tgt Ion: 136 Resp: 453844

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

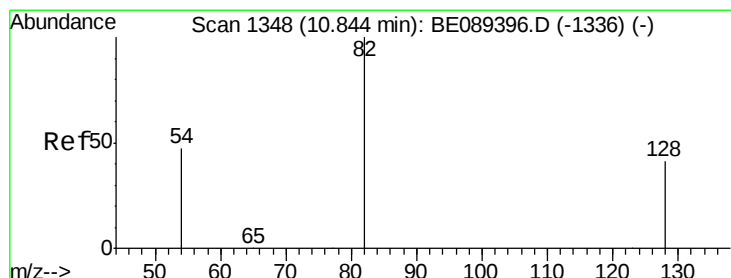
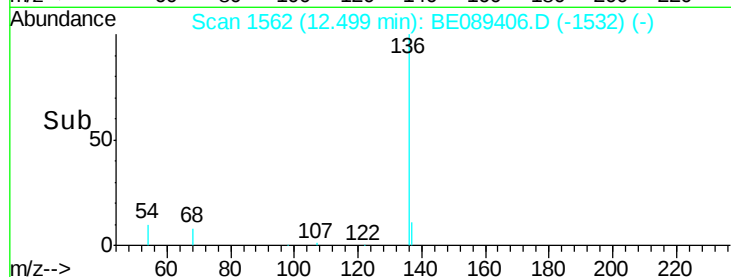
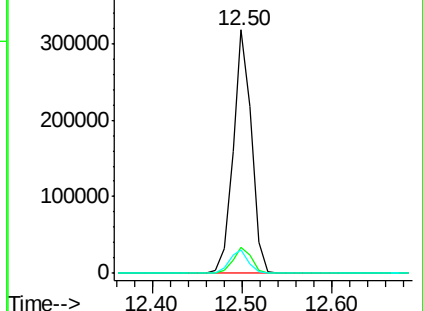
54 9.6 7.4 11.0



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 4.53 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

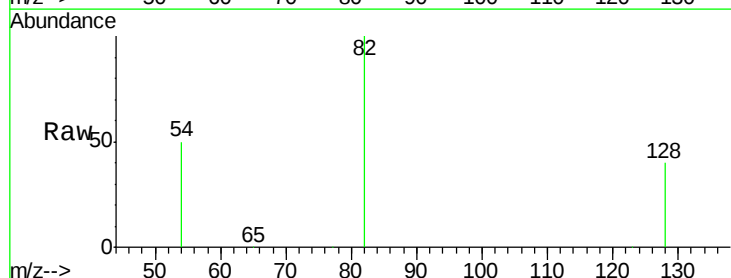
Tgt Ion: 82 Resp: 144736

Ion Ratio Lower Upper

82 100

128 40.4 33.6 50.4

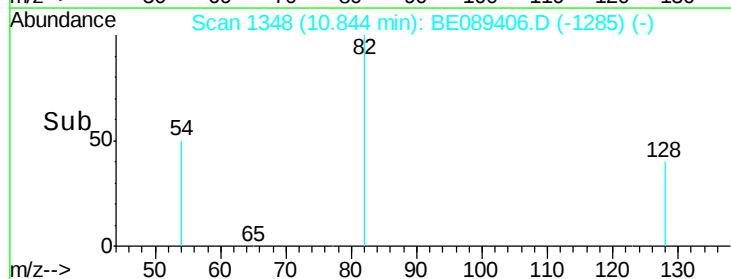
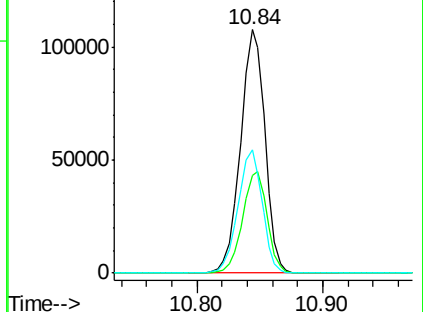
54 50.4 37.7 56.5

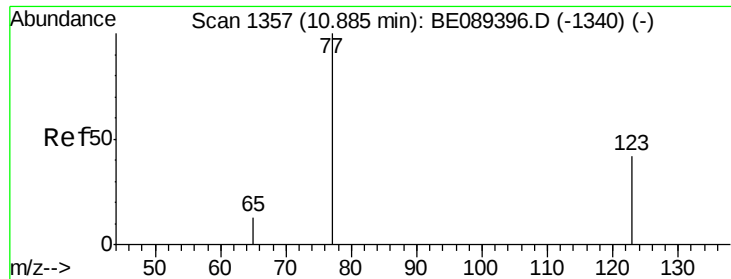


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.02 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.04 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

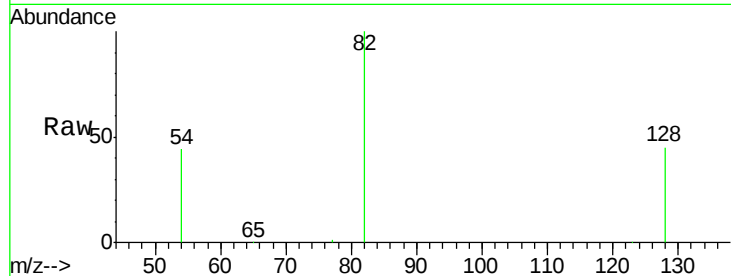
Tgt Ion: 77 Resp: 690

Ion Ratio Lower Upper

77 100

123 0.0 34.7 52.1#

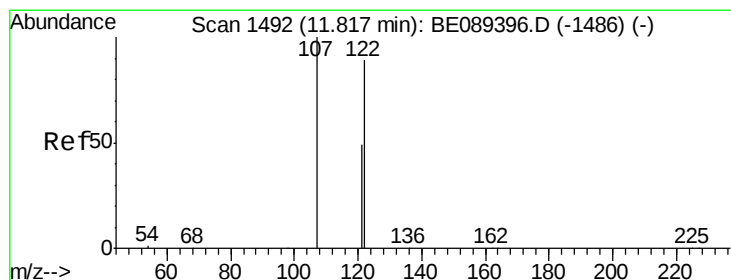
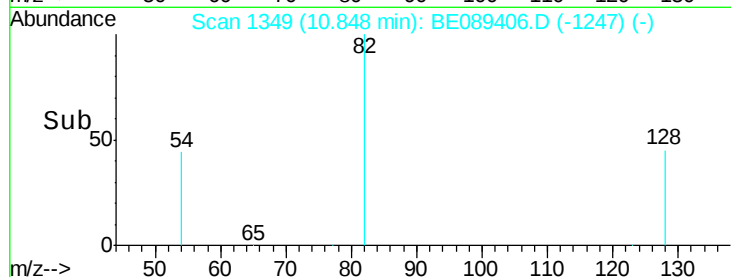
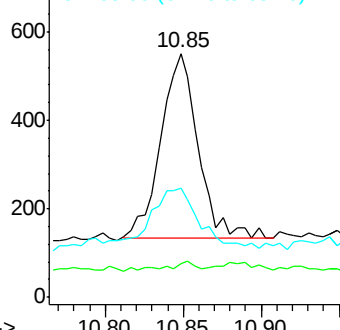
65 36.5 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.00 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

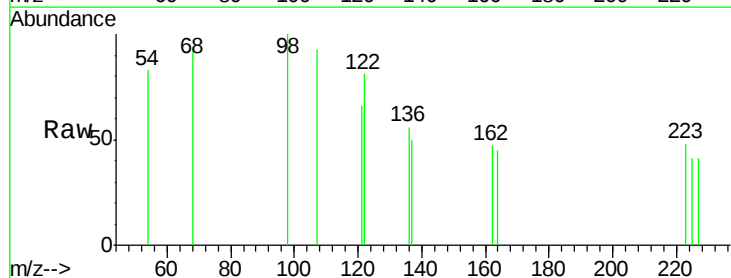
Tgt Ion: 122 Resp: 87

Ion Ratio Lower Upper

122 100

107 115.0 89.4 134.2

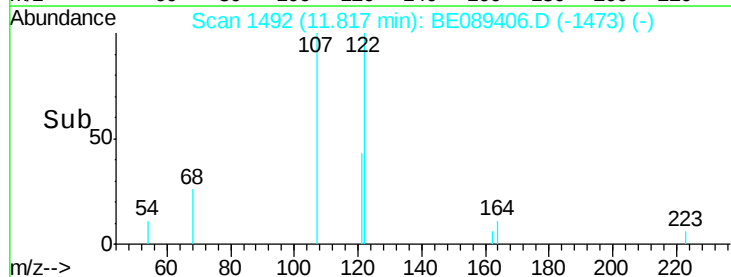
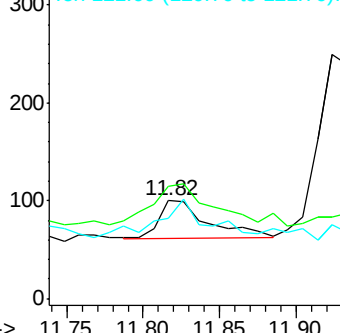
121 82.0 43.6 65.4#

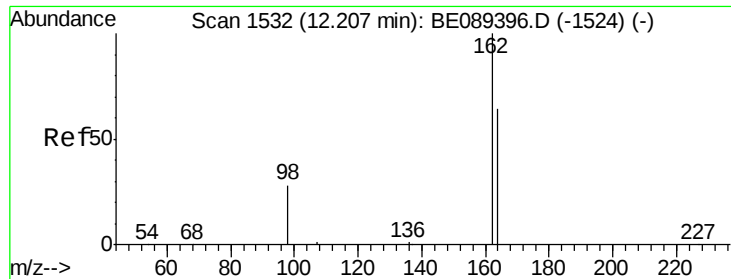


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#11

2,4-Dichlorophenol

Concen: 0.00 ng

RT: 12.22 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampled :

MW-10

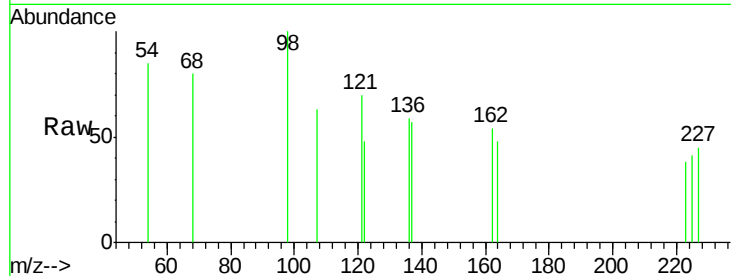
Tgt Ion:162 Resp: 37

Ion Ratio Lower Upper

162 100

164 88.4 44.6 84.6#

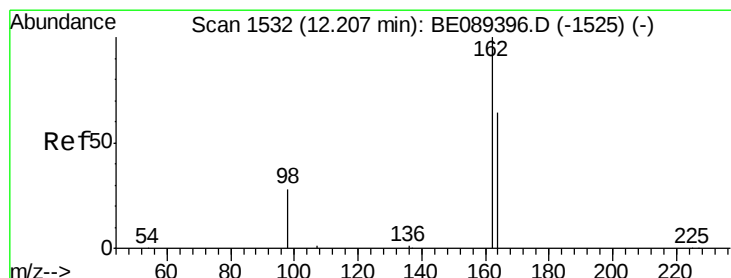
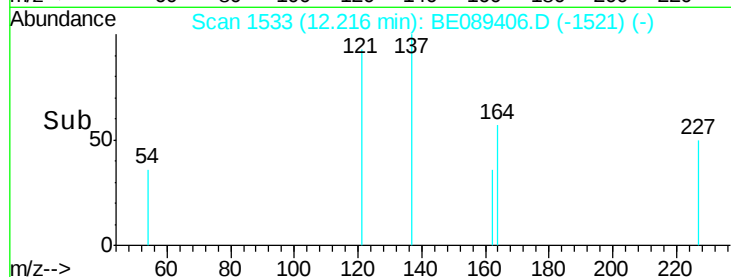
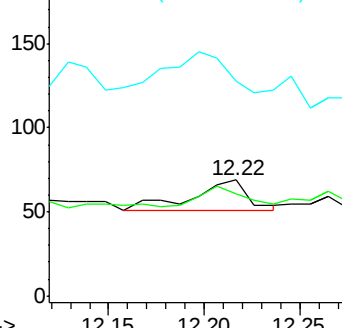
98 185.5 8.7 48.7#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

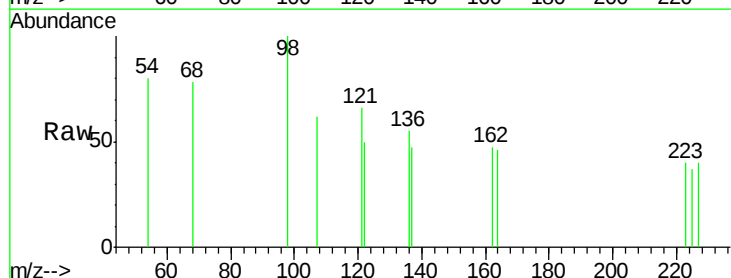
Tgt Ion:164 Resp: 23

Ion Ratio Lower Upper

164 100

162 101.5 123.9 185.9#

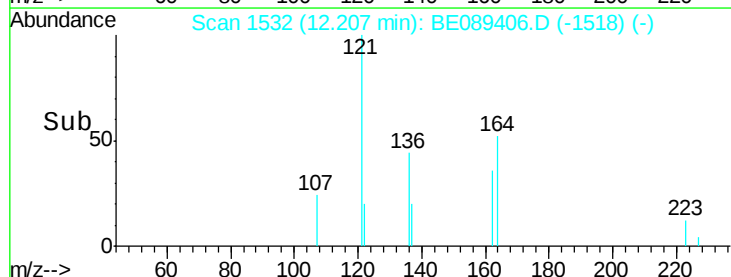
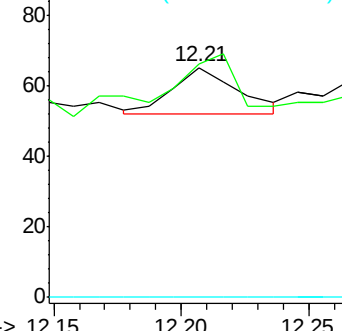
160 0.0 0.0 0.0

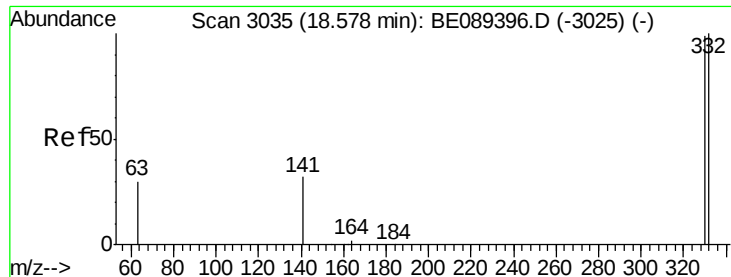


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

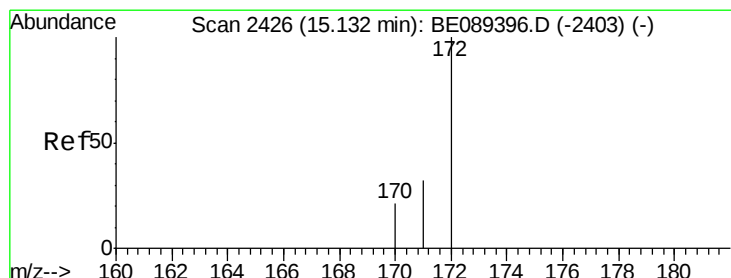
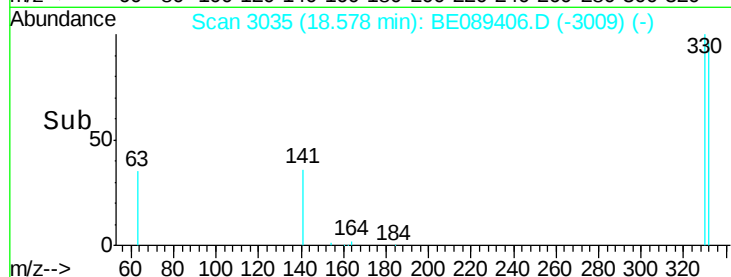
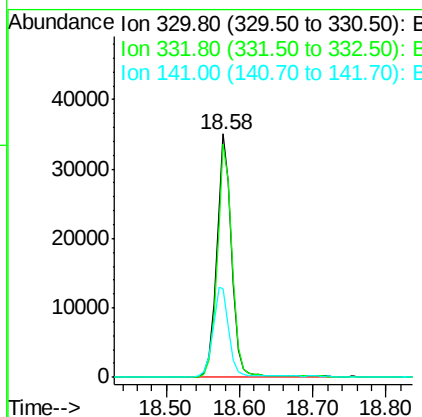
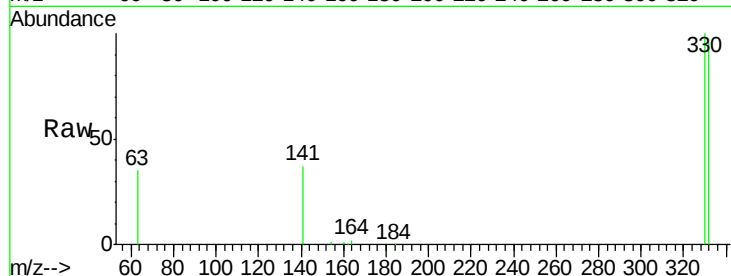




#14
 2,4,6-Tribromophenol
 Concen: 2593.36 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. -0.00 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

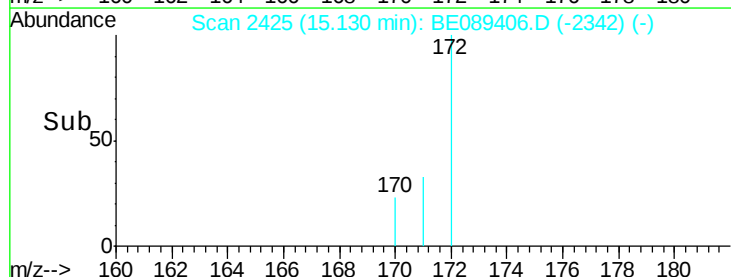
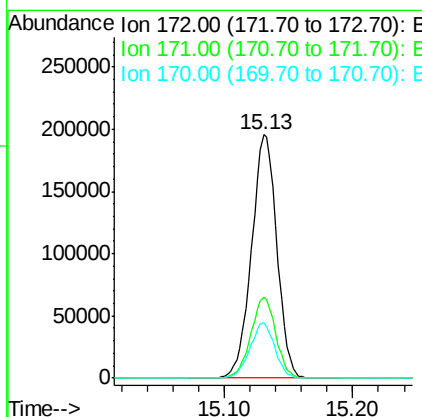
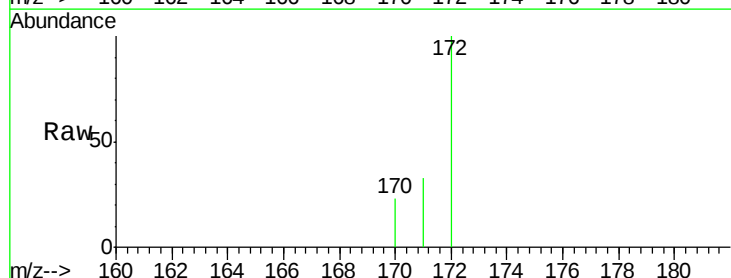
Instrument :
 BNA_E
 ClientSampleId :
 MW-10

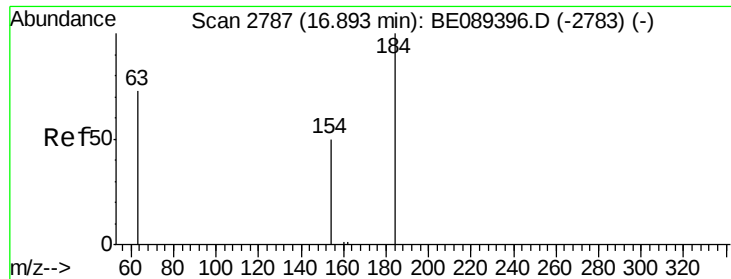
Tgt Ion:330 Resp: 50292
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.5 116.3
 141 39.7 32.4 48.6



#15
 2-Fluorobiphenyl
 Concen: 1092.10 ng
 RT: 15.13 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

Tgt Ion:172 Resp: 265447
 Ion Ratio Lower Upper
 172 100
 171 33.2 25.6 38.4
 170 22.6 17.0 25.4

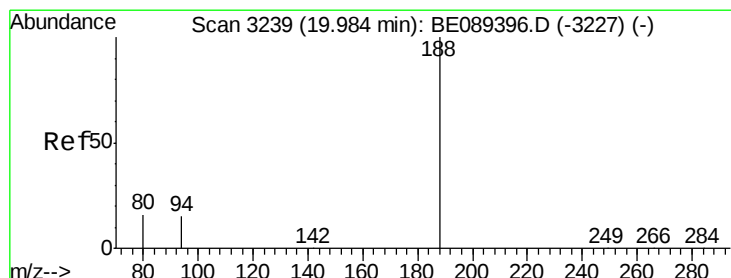
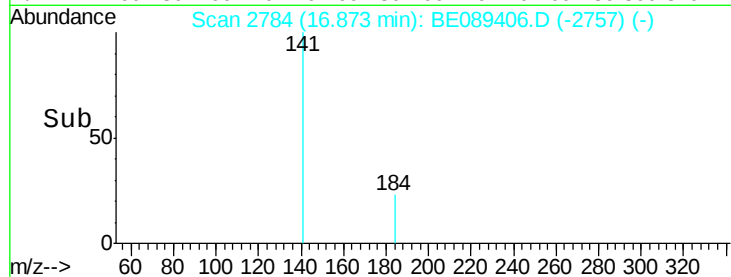
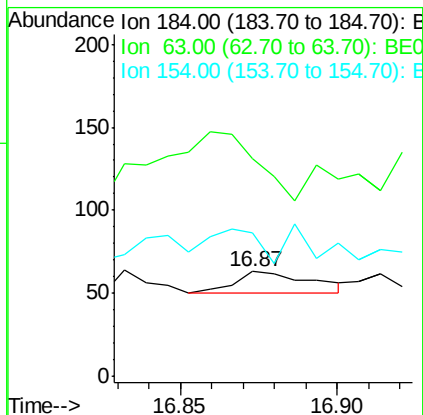
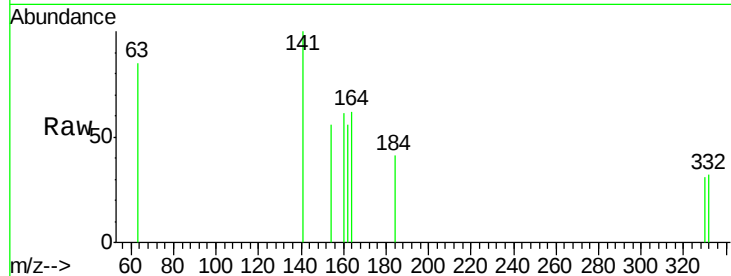




#16
 2,4-Dinitrophenol
 Concen: 18.37 ng
 RT: 16.87 min Scan# 2784
 Delta R.T. -0.02 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

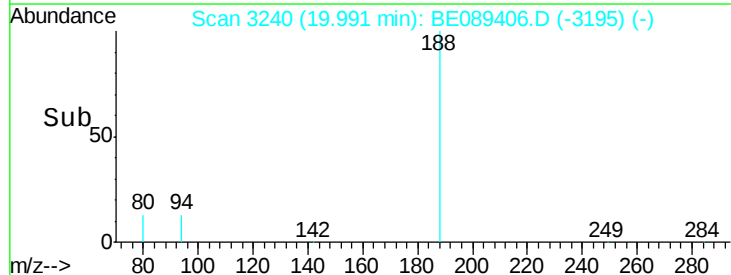
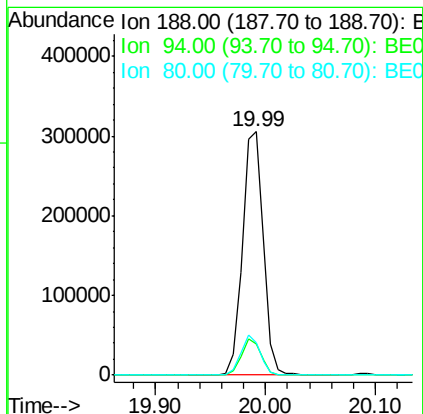
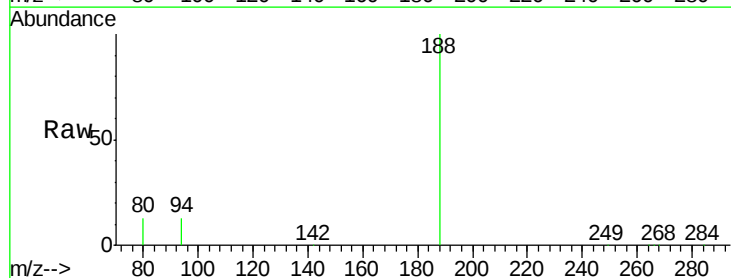
Instrument :
 BNA_E
 ClientSampleId :
 MW-10

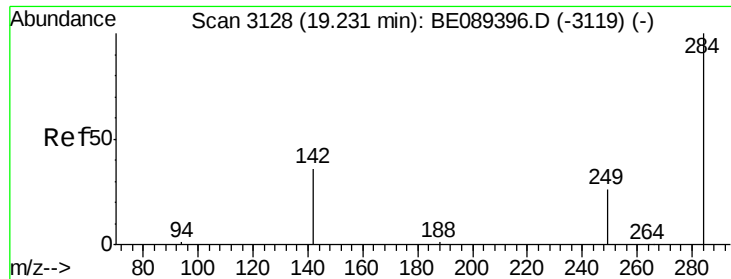
Tgt Ion:184 Resp: 22
 Ion Ratio Lower Upper
 184 100
 63 207.9 66.9 100.3#
 154 136.5 45.1 67.7#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

Tgt Ion:188 Resp: 395208
 Ion Ratio Lower Upper
 188 100
 94 12.9 12.0 18.0
 80 13.4 13.2 19.8

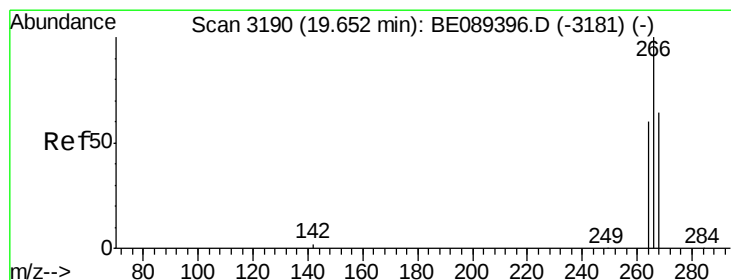
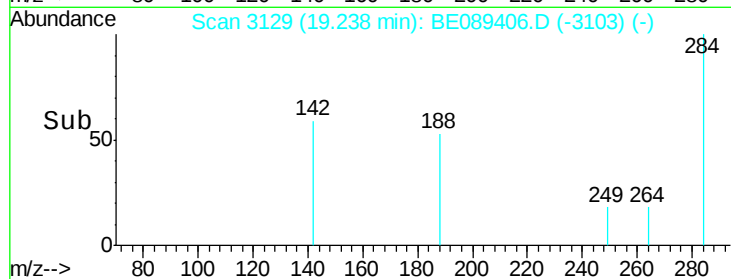
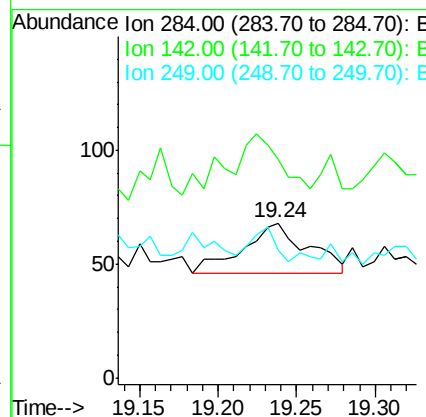
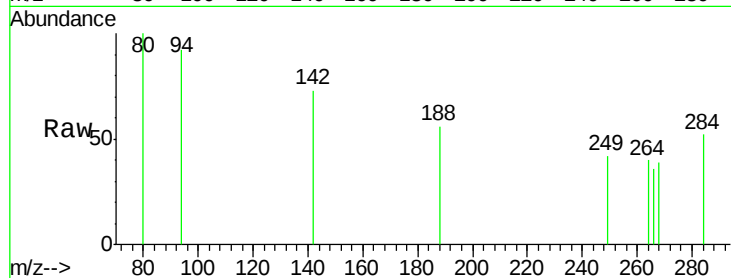




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.24 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BE089406.D
Acq: 29 Jan 2015 2:23

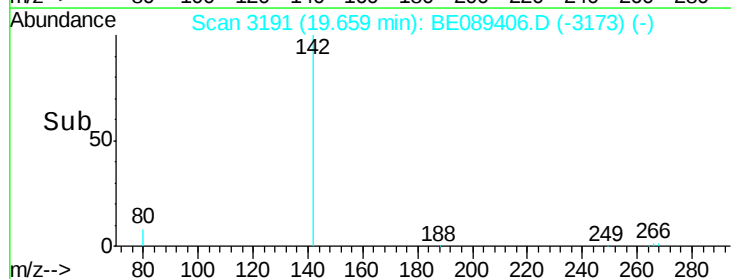
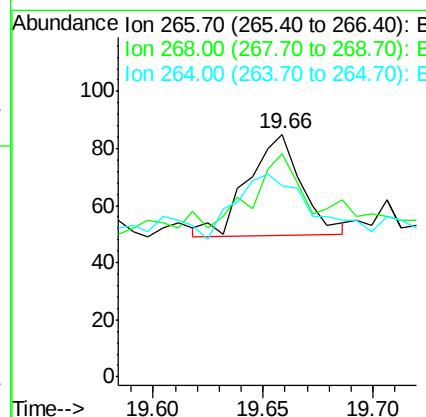
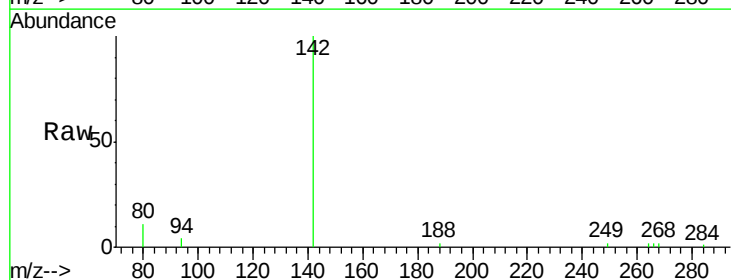
Instrument :
BNA_E
ClientSampleId :
MW-10

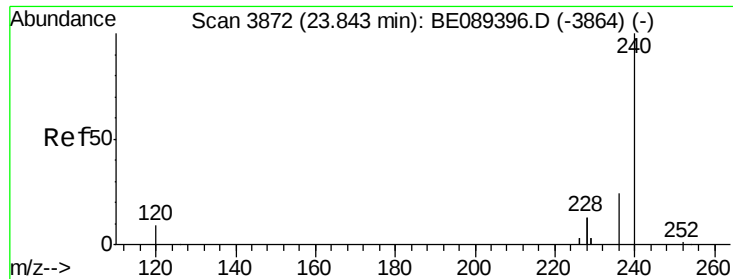
Tgt Ion: 284 Resp: 63
Ion Ratio Lower Upper
284 100
142 141.2 30.7 46.1#
249 82.4 23.4 35.2#



#19
Pentachlorophenol
Concen: 0.02 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089406.D
Acq: 29 Jan 2015 2:23

Tgt Ion: 266 Resp: 60
Ion Ratio Lower Upper
266 100
268 91.8 52.5 78.7#
264 78.8 48.8 73.2#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3871

Delta R.T. -0.01 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

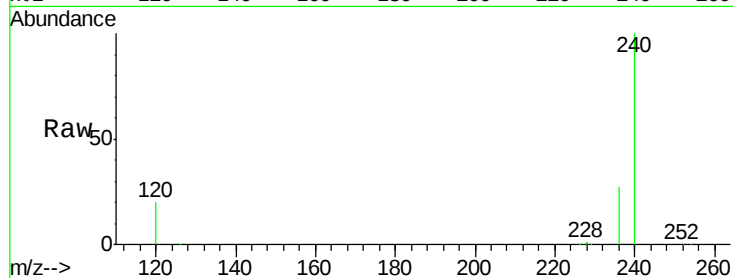
Tgt Ion:240 Resp: 515447

Ion Ratio Lower Upper

240 100

120 20.4 7.1 10.7#

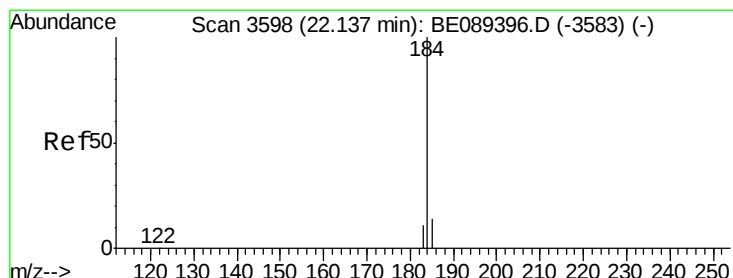
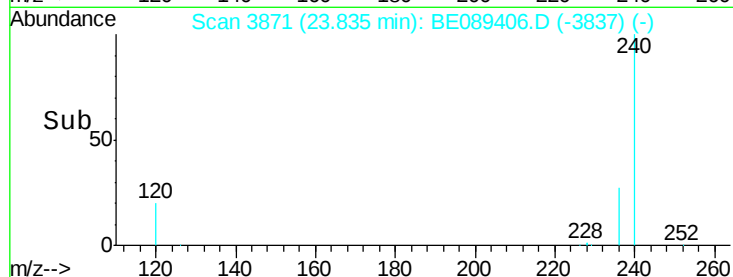
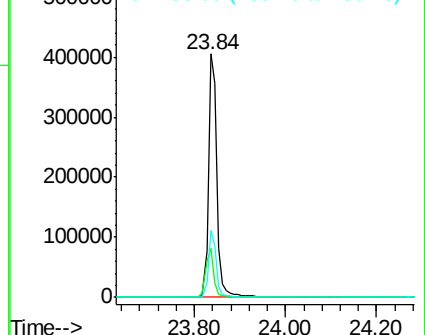
236 27.3 19.5 29.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#21

Benzidine

Concen: 0.00 ng

RT: 22.11 min Scan# 3593

Delta R.T. -0.02 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

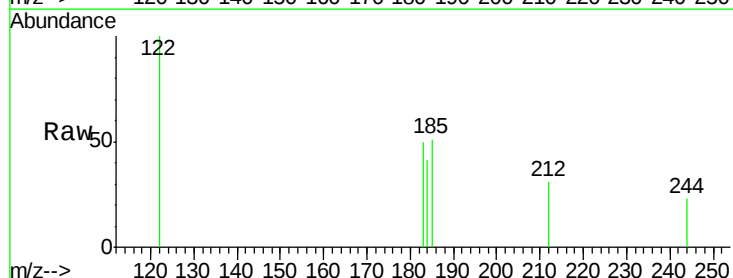
Tgt Ion:184 Resp: 37

Ion Ratio Lower Upper

184 100

185 123.3 11.4 17.0#

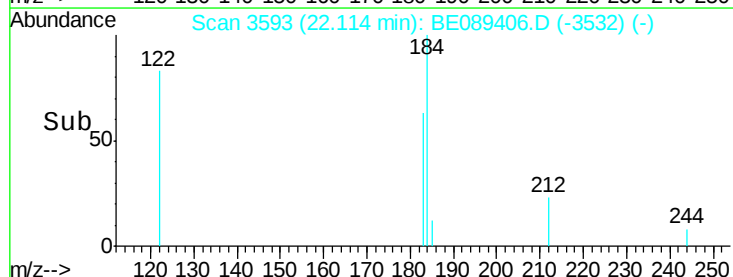
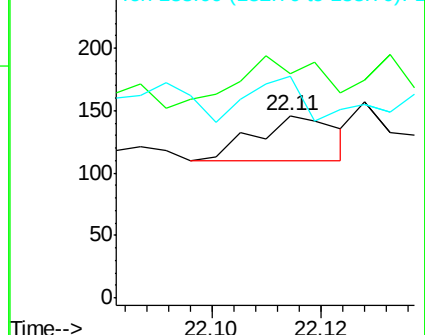
183 121.9 8.7 13.1#

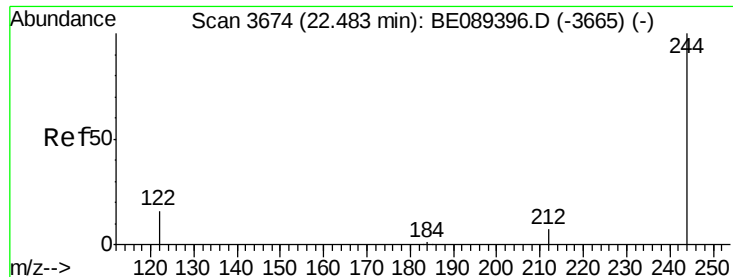


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

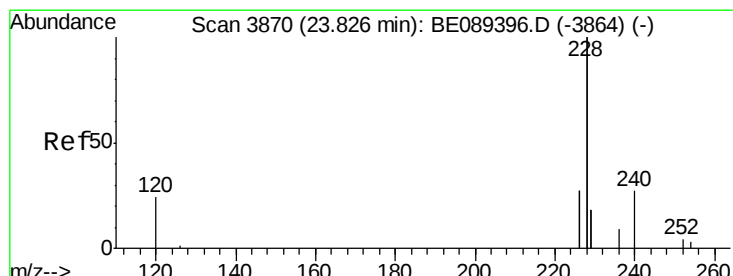
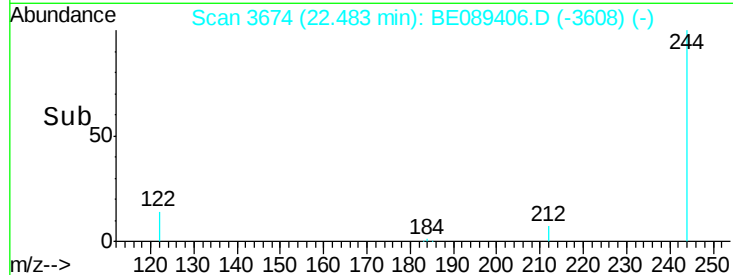
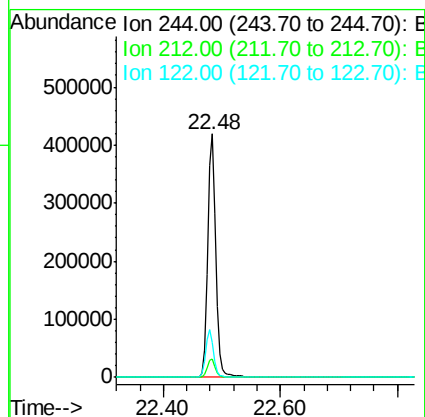
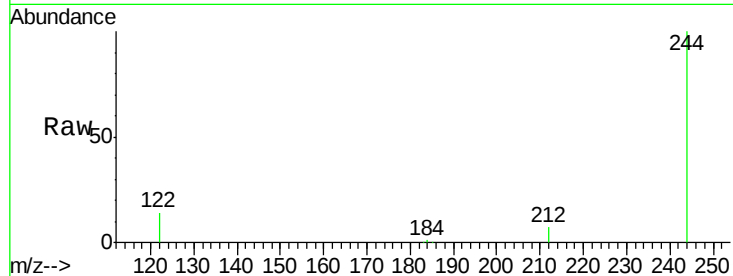




#22
 Terphenyl-d14
 Concen: 7.31 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

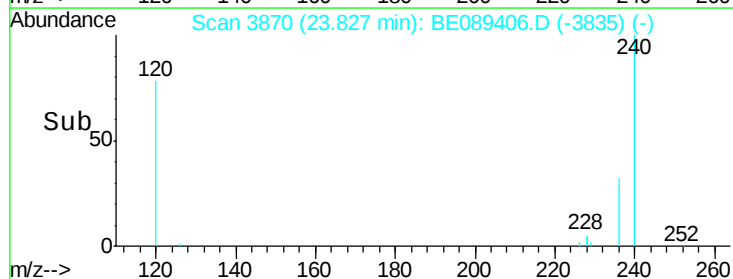
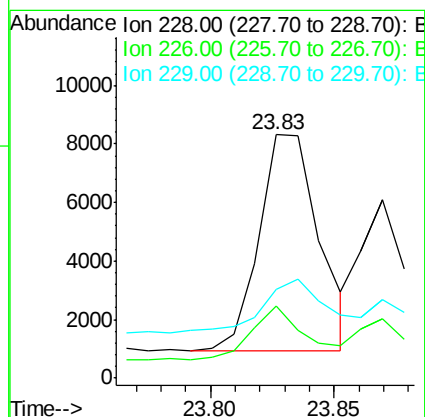
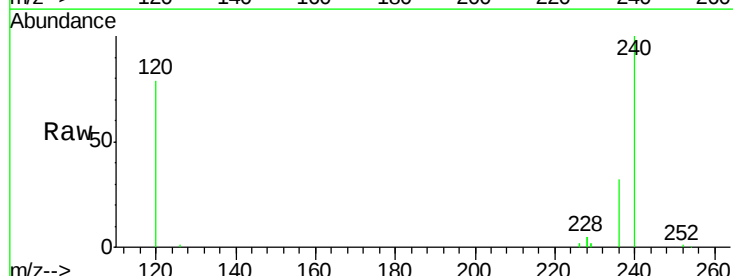
Instrument :
 BNA_E
 ClientSampleId :
 MW-10

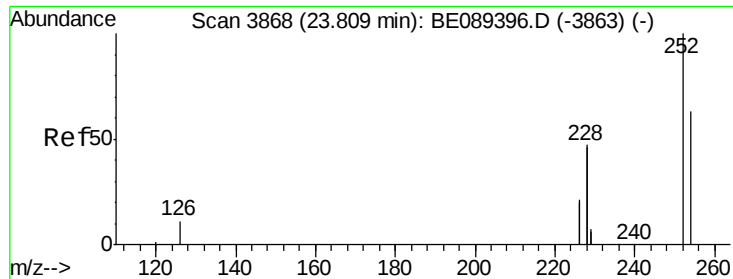
Tgt Ion:244 Resp: 417426
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 14.4 12.8 19.2



#23
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 23.83 min Scan# 3870
 Delta R.T. 0.00 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

Tgt Ion:228 Resp: 12395
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.8 32.6
 229 36.6 14.5 21.7#

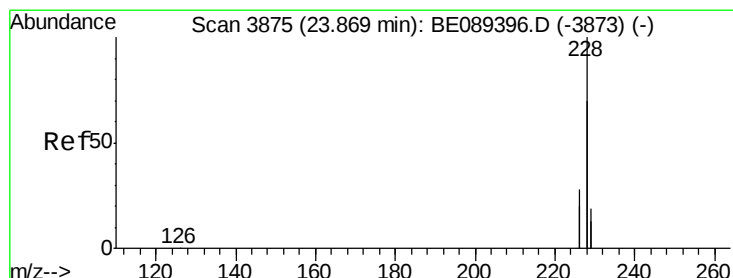
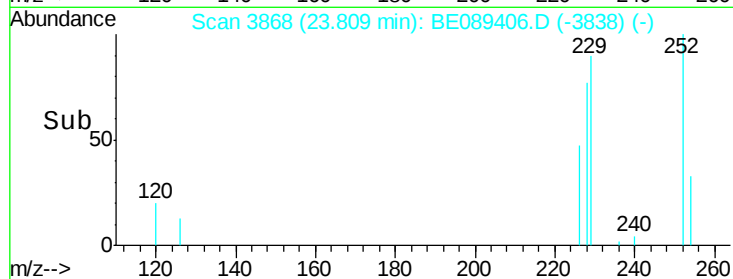
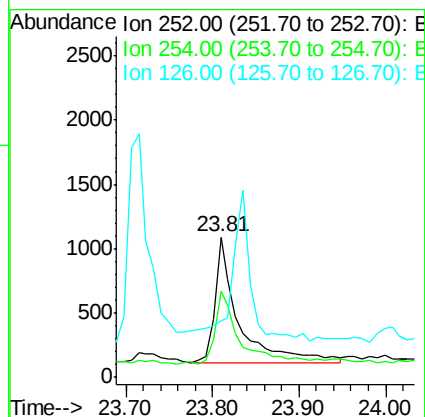
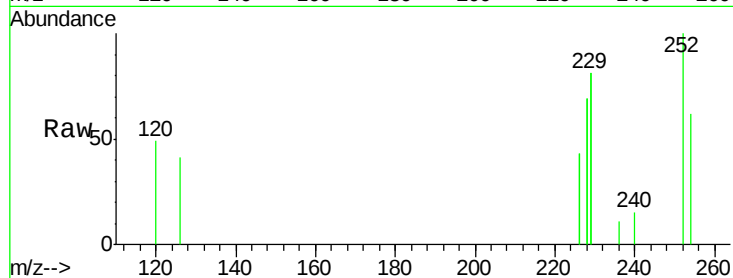




#24
 3,3'-Dichlorobenzidine
 Concen: 0.05 ng
 RT: 23.81 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

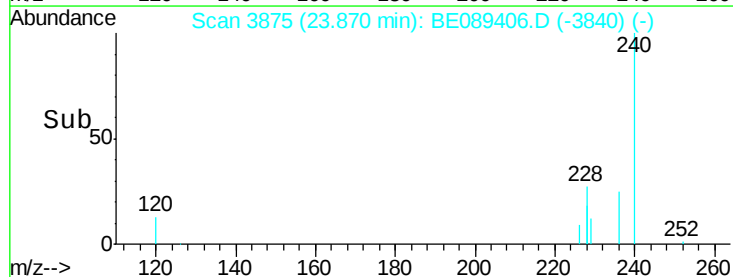
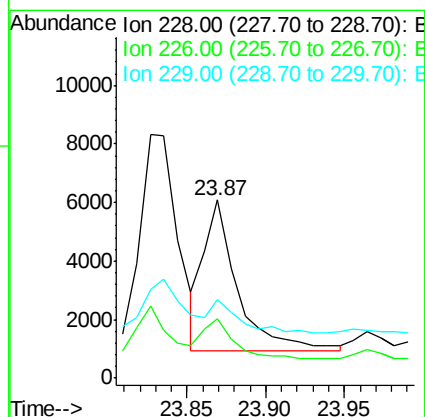
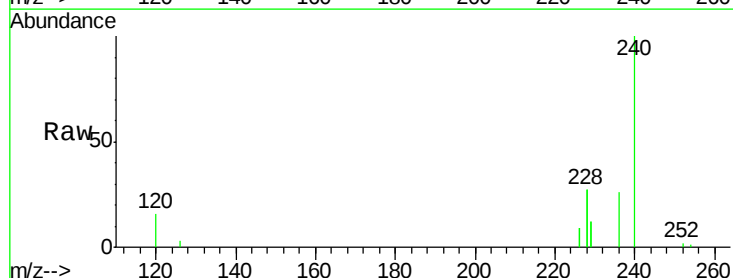
Instrument :
 BNA_E
 ClientSampleId :
 MW-10

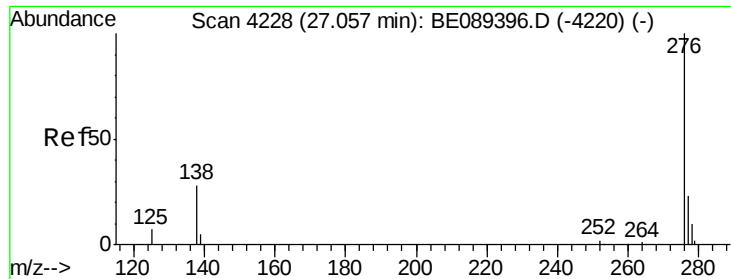
Tgt Ion: 252 Resp: 1888
 Ion Ratio Lower Upper
 252 100
 254 61.9 50.2 75.4
 126 40.9 9.8 14.6#



#25
 Chrysene
 Concen: 0.01 ng
 RT: 23.87 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: BE089406.D
 Acq: 29 Jan 2015 2:23

Tgt Ion: 228 Resp: 7634
 Ion Ratio Lower Upper
 228 100
 226 33.0 22.7 34.1
 229 43.8 15.2 22.8#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 27.06 min Scan# 4228

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

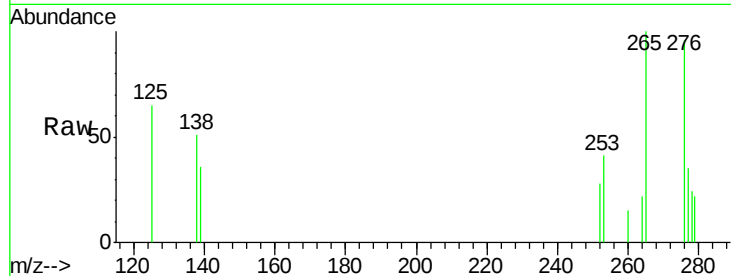
Tgt Ion: 276 Resp: 2472

Ion Ratio Lower Upper

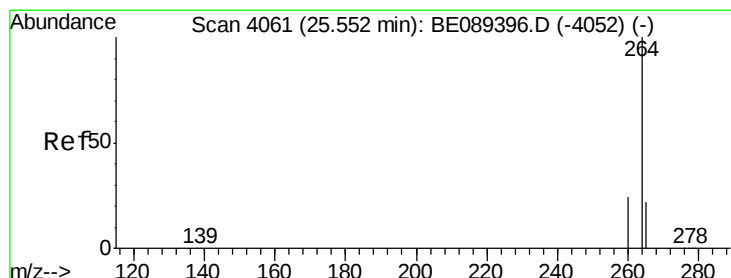
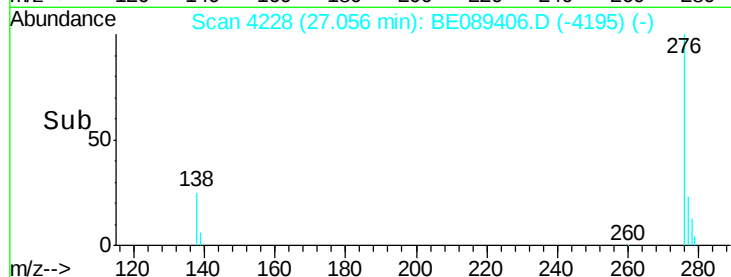
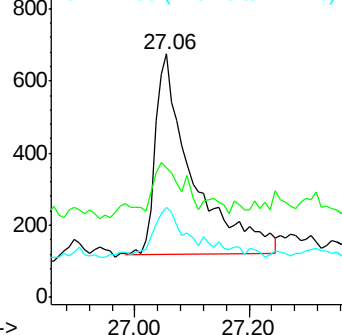
276 100

138 19.7 0.0 0.0#

277 17.7 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

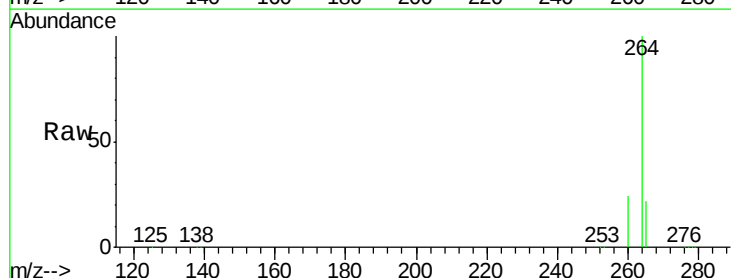
Tgt Ion: 264 Resp: 608895

Ion Ratio Lower Upper

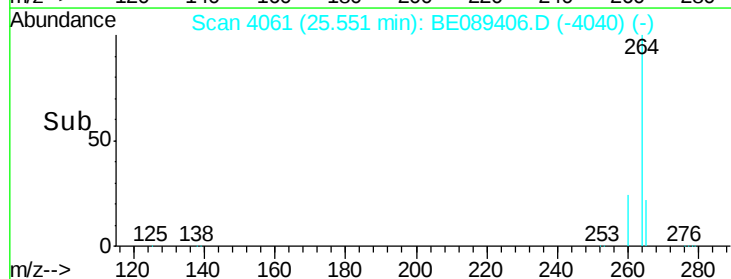
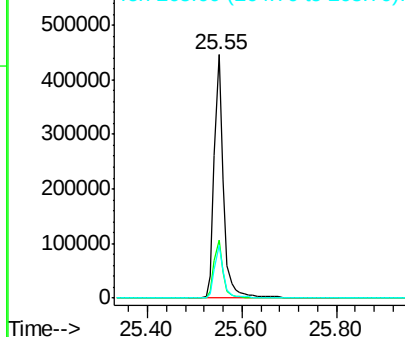
264 100

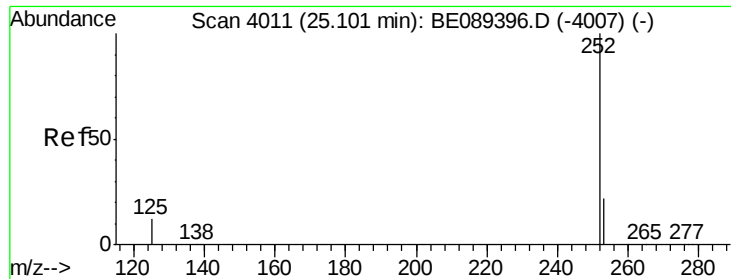
260 23.8 18.9 28.3

265 21.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

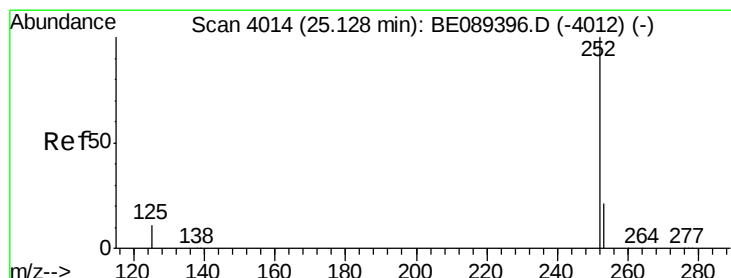
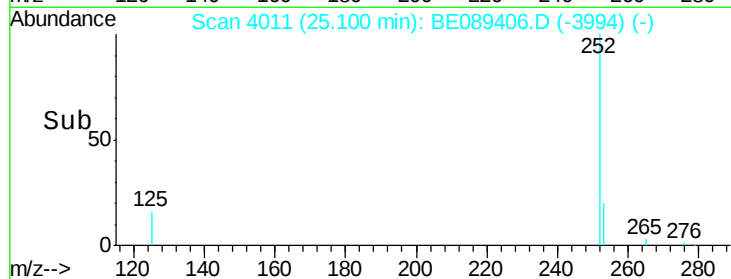
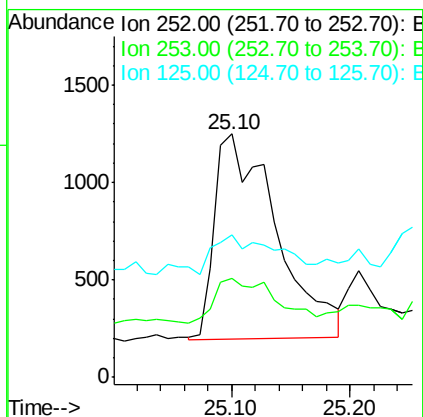
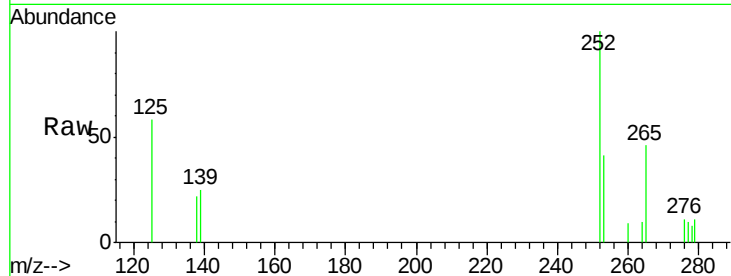




#28
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 25.10 min Scan# 4011
Delta R.T. -0.00 min
Lab File: BE089406.D
Acq: 29 Jan 2015 2:23

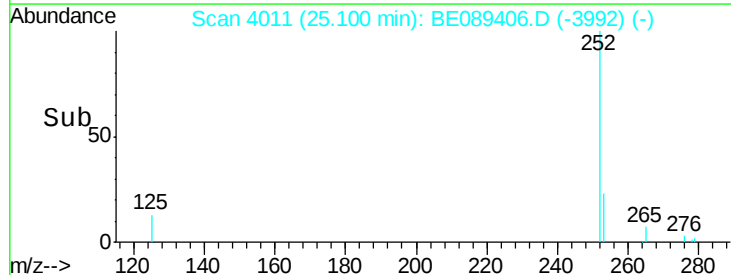
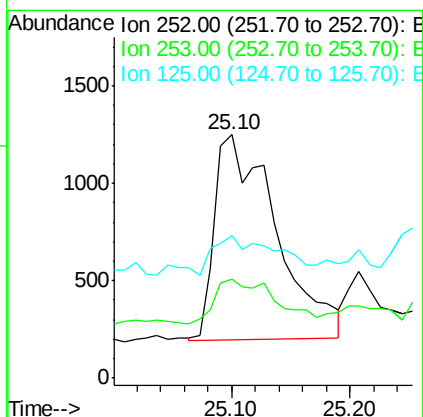
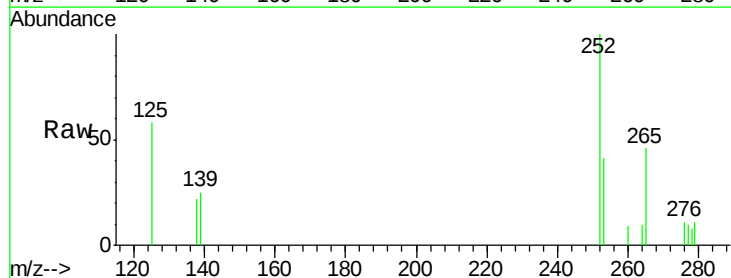
Instrument :
BNA_E
ClientSampleId :
MW-10

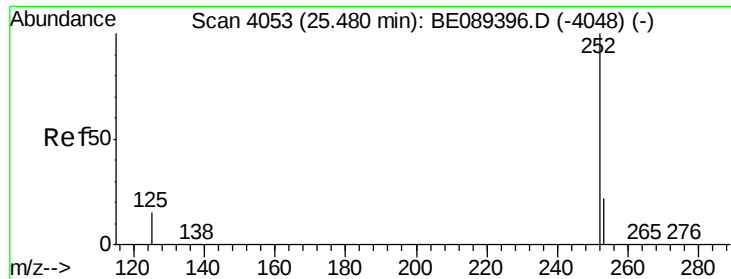
Tgt Ion:252 Resp: 3824
Ion Ratio Lower Upper
252 100
253 40.8 17.6 26.4#
125 58.3 9.8 14.6#



#29
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 25.10 min Scan# 4011
Delta R.T. -0.03 min
Lab File: BE089406.D
Acq: 29 Jan 2015 2:23

Tgt Ion:252 Resp: 3824
Ion Ratio Lower Upper
252 100
253 40.8 17.3 25.9#
125 58.3 10.2 15.4#





#30

Benzo(a)pyrene

Concen: 0.02 ng

RT: 25.48 min Scan# 4053

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

Instrument :

BNA_E

ClientSampleId :

MW-10

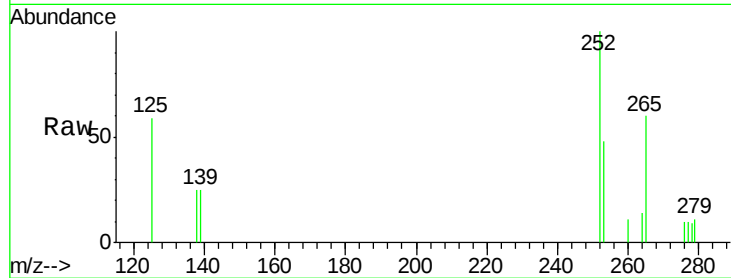
Tgt Ion: 252 Resp: 1753

Ion Ratio Lower Upper

252 100

253 47.7 17.5 26.3#

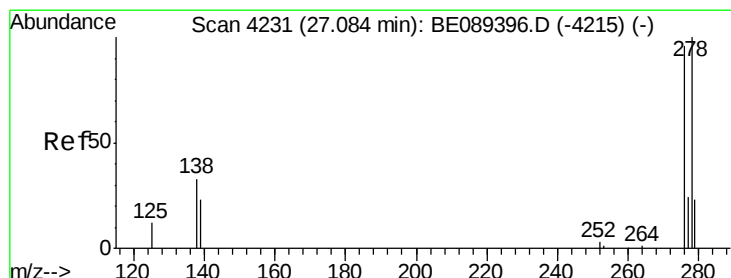
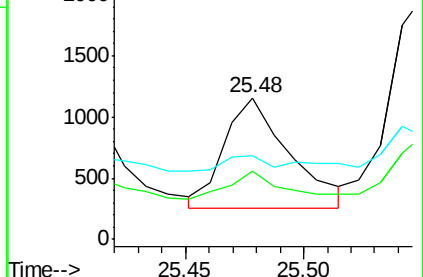
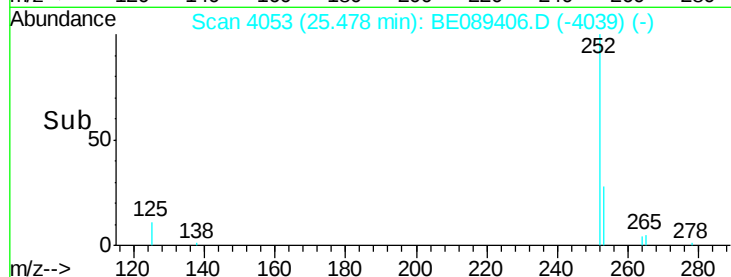
125 58.6 12.2 18.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#31

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 27.08 min Scan# 4231

Delta R.T. -0.00 min

Lab File: BE089406.D

Acq: 29 Jan 2015 2:23

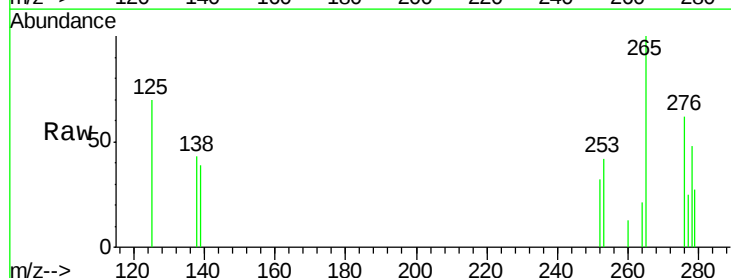
Tgt Ion: 278 Resp: 861

Ion Ratio Lower Upper

278 100

139 80.2 18.5 27.7#

279 55.5 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

